

CPRE/SE/EE 491 Weekly Report 4

Date: 2/20/17

Group Number: Dec1714

Project Title: AR Monitoring System

Client: Andrew Guillemette

Advisor: Dr. Johnny Wong

Team Members/Roles:

Arbaaz Khan (Leader), Nipun Dayanath (Communication), Dheeraj Nalluri (Communication), Sam Altier (Key Idea Holder), Patrick Mosebach (Webmaster), Ben Meis (Key Idea Holder)

Weekly Summary:

We met on Tuesday as a group in order to formulate an initial class diagram for our server.

On Thursday we met as a group in order to start laying out the first version of our project plan.

On Saturday we had a video meeting with our client, Andrew. During this meeting we went over our activities from the previous week and discussed how we should approach this coming week.

Pending Issues:

Finding ways to communicate our camera with our microcontroller

Individual Contributions:

<u>Name</u>	<u>Individual Contributions</u>	<u>Hours this Week</u>	<u>Hours Cumulative</u>
Arbaaz Khan	Research into Gimbals and Motors, Discussion at group meetings, Documentation	5	22
Nipun Dayanath	Discussion at group meetings, Documentation	6	22

Dheeraj Nalluri	Discussion at group meetings, Documentation	6	25
Sam Altier	Discussion at group meetings, Documentation	5	21
Patrick Mosebach	Discussion at group meetings, Documentation	6	24
Ben Meis	Discussion at group meetings, Documentation	6	23

Plan for coming week:

For this upcoming week the electrical engineers are planning to get circuit diagrams and a parts list need for them to go forward with building the gimbal. Additionally, we are looking into power amplification for our microcontroller to power motors, and making demo/test codes for our microcontroller.

The software and computer engineers will continue to plan out the architecture for the project - once that is finished we will start actual development for the project.

We as a group will continue writing our initial project plan.

Summary of weekly advisor meeting:

When we meet with Dr.Wong, we talked about the importance of documentation. He went into asking us what we have done in terms of documenting our work and what we should and could be doing to better ourselves with it. Additionally, we asked to see if he can help us in setting up a server to use for our project and seeing into getting a demo for working with Raspberry PI.